

Datenbank-Name	Vergleich Endometriose Versus Normal (sekr. Phase)	Vergleich Endometriose Versus Normal (prol. Phase)	Vergleich sek. versus prol. Phase (Endometrium)
X02761, fibronectin (FN precursor)	down (0 up - 16 down)	down (4 up -12 down)	up (18 up - 1 down)
S37730, insulin-like growth factor binding protein-2	down (1-15)	nc (13-13)	up (17-2)
U40271, Human transmembrane receptor precursor (PTK7)	down (0-14)	nc (6-2)	up (9-1)
M21574, platelet-derived growth factor receptor alpha (PDGFRA)	down (0-13)	nc (8-10)	up (17-0)
L22548, collagen type XVIII alpha 1 (COL18A1)	down (0-13)	down (0-8)	up (17-0)
M80482, subtilisin-like protein (PACE4)	down (1-13)	down (4-13)	up (22-2)
Z26653, laminin M chain (merosin)	down (1-13)	nc (9-10)	up (17-1)
M36860, U77846, Elastin	down (0-12)	nc (0-0)	up (25-0)
X05610, type IV collagen alpha -2 chain	down (0-12)	nc (3-3)	up (11-0)
X67325, p27 interferon alpha-inducible gene	down (1-12)	nc (9-10)	up (10-2)

Abbildung 1

Figure 1

[Key to Table:]

Datenbank-Nr., Name = Data Bank No., Name
Vergleich Endometriose versus Normal (sekr. Phase) = Comparison
of Endometriosis versus Normal (Secr. Phase)
Vergleich Endometriose versus Normal (prol. Phase) = Comparison
of Endometriosis versus Normal (Prol. Phase)
Vergleich sekr. versus prol. Phase (Endometrium) = Comparison
of Secr. versus Prol. Phase (Endometrium)

Datenbank-Nr., Name	Vergleich Endometriose versus Normal (sekr. Phase)	Vergleich Endometriose versus Normal (prol. Phase)	Vergleich sekr. versus prol. Phase (Endometrium)
D42073, reticulocalbin	down (0-11)	nc (8-5)	up (11-2)
U07919, aldehyde dehydrogenase 6	down (1-11)	nc (13-9)	up (22-0)
U81607, gravin	down (1-11)	nc (8-7)	up (18-1)
M30269, nidogen	down (0-10)	nc (8-14)	up (15-3)
D42108, phospholipase C Epsilon	down (1-10)	nc (12-14)	up (25-0)

Abbildung 1

Figure 1

[Key to Table:]

Datenbank-Nr., Name = Data Bank No., Name
Vergleich Endometriose versus Normal (sekr. Phase) = Comparison
of Endometriosis versus Normal (Secr. Phase)
Vergleich Endometriose versus Normal (prol. Phase) = Comparison
of Endometriosis versus Normal (Prol. Phase)
Vergleich sekr. versus prol. Phase (Endometrium) = Comparison
of Secr. versus Prol. Phase (Endometrium)

Figure 2

protein sequence

[Key to Table:]

Proteinsequenz = Protein Sequence
Fibronektin = fibronectin

Abbildung 2

Seq.IDNO	Name	Proteinsequenz
		<p>PAVTVRYYRI TYGETGGNSP VQETVPGSK STATISGLKP GVDYITITVYA VTGRGSPAS SKPISINYRT EIDKPSQMQV TDVQDNSISV KWLPS SSPVT GYRVTTTPKN GPGTKTKTA GPDQTEMTEIE GLQPTVEYVV SVYAQNPSGE SQPLVQTAVT NIDRPKGLAF TDVDVDSIKI AWESPQGVS RYRVTYSSPE DGIHELFPAP DGEEDTAELQ GLRPGSEYTV SVVALHDDME SQPLIGTQST AIPAPTDLKF TQVTPTSLSA QWTPPNVQLT GYRVRVTPKE KTGPMKEINL APDSSSVVVS GLMVATKYEV SVVALKDTLT SRPAQGVVTT LENVSPPRRA RVTDATETI TISWRTKTET ITGFQVDAVP ANGOTPIQRT IKPDVRSYTI TGLQPGTDYK IYLYTLNDNA RSSPVVIDAS TAIDAPSNLR FLATTPNSLL VSWQPPRARI TGYIIKYEKP GSPPREVVPR PRPGVTEATI TGLEPGTEYT IYVIALKNNQ KSEPLIGRKK TDELPQLVTL PHPNLHGPEI LDVPSTVQKT PFVTHPGYDT NGIQLPGTS GQPSVGGQM IFEEHGRRT TPPTTATPIR HRPRPYPPNV GEEIQIGHIP REDVDYHLYP HGPGLNPNAS TGQEALSQTT ISWAPFQDTS EYIISCHPVG TDEEPLQPRV PGTSTSATLT GLTRGATYNI IVEALKDQQR HKVREEVTV GNSVNEGLNQ PTDDSCFDPY TVSHVAVGDE WERMESGFK LLCQCLGFGS GHFRCDSSRW CHDNGVNYKI GEKWDROGEN QMMSCCTCLG NGKGFEKCDP HEATCYDDGK TYHVGEQWQK EYLGAICSCT CFGGQRGWRC DNCRRPGGEP SPEGTTGQSY NQYSQRYHOR TNTNVNCPTE CFMPLDVQAD REDSRE</p>
2	Insulin-like growth factor binding protein-2	<p>MLPRVGC PAL PLPPPP LLLPL LPLLLLLLGA SGGGGARAE VLFRCPCTP ERLAACGPPP VAPPAVA AAV AGGARMPCAE LVREPGCGCC SVCARLEGEA CGVYTPRCGQ GLRCYPHFGS ELPLQALVMG EGTCEKRRDA EYGASPEQVA DNGDDHSEGG LVENIHVDSTM NMLGGGSAG RKPLKSGMKE LAVFREKYTE QHRQMGKGK HHGLGLEPKK LRPPPARTPC QQELDQVLER ISTMLPDER GPLEHLYSLH IPNCDKHGLY NLKQCKMSLN GQGEWCNVN PNTGKLIQGA PTIRGDPCH LFYNEQQEAR GVHTQRMQ</p>

Figure 2

Protein Sequences

[Key to Table:]

Proteinsequenz = Protein Sequence

Abbildung 2

Seq.IDNO	Name	Proteinsequenz
3	Transmembrane receptor PTK7	MGAARGSPAR PRRLLLSVL LLPLLGQTQT AIVFIKQPSS QDALQRRAL LRCEVEAPGP VHVYLLDGA PVQDTERRPA QGSSLSFAAV DPLQDSGTFQ CVARDDVTGE EARSANASFN IKWIEAGPVV LKIPASEAEI QPQTQVKLRC HIDGHPRTY QWFRDGTPLS DGQSNHTVSS KERNLTLRPA GPEHSGLYSC CAHSAFSQAC SSQNFTLSIA DESFARVVLA PQDVVVARYE EAMFHCQFSA QPPPSLQWLF EDETPTNRS RPPHLRRATV FANGSLLLTQ VRPRNAGIYR CIGQGQRGPP IILEATLHLA EIEDMPLFEP RVFTAGSEER VTCLPPKGLP EPSVWMEHAG VRLPTHGRVY QKGHELVLAN IAESDAGVYT CHAANLAGQR RQDVNITVAT VPSWLKKPQD SQLEEGKPGY LDCLTQATPK PTVVWYRNQM LISEDSRFEV FKNGTLRINS VEYDGTWYR CMSSTPAGSI EAQAVLQVLE KLKFTPPPQP QQCMGFDKEA TVPCSATGRE KPTIKWERAD GSSLPEWVTD NAGTLHFARV TRDDAGNYTC IASNGPQGI RAHVQLTVAV FITFKVEPER TTVYQGHTAL LQCEAQGDPK PLIQWKGKDR ILDPTKLGR MHIFQNGSLV IHDVAPEDSG RYTCIAGNSC NIKHTEAPLY VVDKPVPEES EPGSPPPYK MIQTIGLSVG AAVAYIIAVL GLMFYCKKRC KAKRIQKQPE GEEPEMECLN GGPLQNGQPS AEIQEEVALT SLGSGPAATN KRHSTSDKM H FPRSSLQPIT TLGKSEFGEV FLAKAQGLEE GVAETLLVLK SLQSKDEQQQ LDFRRELEMF GKLNHANVVR LLGLCREAEP HYMVLEYVDL EDLKQFLRIS KSKDEKLKSQ PLSTKQKVAL CTQVALGMEH LSNNRFVHKD LAARNCLVSA QRQVKVSALG LSKDVYNSEY YHFRQAWVAL RWMSPEAILE GDFSTKSDVW ASGVLMWEVF THGEMPHGGQ ADDEVLAADIQ AGKARLPQPE GCPSKLYRLM QRCWALSPKD RPSFSEIASA LGDSTVDSKP
4	platelet-derived growth factor receptor alpha	MGTSHPAFLV LGCLLTGLSL ILCQLSLPSI LPNENEKVUV LNSSFSLRCF GESEVSWQYP MSEEESDVE IRNEENNSGL FVTVLEVSSA SAAATGLYTC YYNHTQTEEN ELEGRHIYIY VPDPDVAFVP LGMTDYLIV EDDDSAIIPC RTTDPETPVT LHNSEGVVPA SYDSRQGFNG TFTVGPYICE ATVKGKKFQT IPFNVYALKA

Figure 2

Proteinsequenz = Protein Sequence

[Key to Table:]

Proteinsequenz = Protein Sequence

Abbildung 2

Seq.IDNO	Name	Proteinsequenz
5	Collagen XVIII alpha 1 type	<p> TSELDEMEA LKTVYKSGET IVVTCAVFN EVVDLQWTP GEVKGKGITM LEEIKVPSIK LVYTLTVPEA TVKDSGDYEC AARQATREVK EMKKVTISVH EKGFIKPT FSQLEAVNLH EVKHFVVEVR AYPPPRISWL KNNLTLIENL TEITTDVEKI QEIRYRSKLK LIRAKEEDSG HYTIVAQNE AVKSYTFELL TQVPSSILDL VDDHHGSTGG QTVRCTAEGT PLPDIEWMIC KDIIKCNNET SWTILANNVS NIITEIHSRD RSTVEGRVTF AKVEETIAVR CLAKNLLGAE NRELKLVAPT LRSELTVAAG VLVLVIVII SLIVLVVIWK QKPRYEIRWR VIESISPDGH EYIYVDPMQL PYDSRWEFPR DGLVLGRVLG SGAFGVVEG TAYGLSRSQP VMKVAVKMLK PTARSSEKQA LMSELKIMTH LGPHLNIIVNL LGACTKSGPI YIITEYCFYG DLVNYLHKNR DSFLSHHPEK PKKELDIFGL NPADESTRSY VILSFENNGD YMDMKQADTT QYVPMLEKE VSKYSDIQRS LYDRPASYYK KSMILDSVKN LLSDDNSEGL TLDLLSFTY QVARGMEFLA SKNCVHRDLA ARNVLLAQGK IVKICDFGLA RDIMHDSNVV SKGSTFLPVK WMAPESIFDN LYTTLSDVWS YGILLWEIFS LGGTPYPGMM VDSTFYNNKIK SGYRMKPDH ATSEVYEIMV KCWNSEPEKR PSFYHLSEIV ENLLPGQYKK SYEKIHLDFL KSDHPAVARMVDSDNAYIG VTYKNEEDKL KDWEGGLDEQ RLSADSGYII PLPDIDPVPE EEDLGKRNRI SSQTSESAI ETGSSSSTFI KREDETIEDI DMDDDIGIDS SDLVEDSFL </p> <p> GEVGADGIPG FPGLPGRECI AGPQGPKGDR GSRGEKGDGP KDGLGQPGLP GPRGPPGPV YVSEQDGSVL SVPGPEGRRG FAGPPGPACP KGNLGSKGEL GSPGPKGEKG EPGSIFSPDG GALGPAQKGA KGEPRGRGP GLYGRPGYKG EIGFPGRPCR PGMNGLKGEK GEPGDASLGF GMRGMPGPG PPGPPGPGT PVYDSNVFAE SSRPGPPGLP GNQGPFGPKG PKGEVGPFGP PGQFPDFLQ KEAEMKGEK DRGDAGQKE RGEPPGGGFF GSSLPGAPGA PPRGYPGIP GPKGESIRGQ PGPPGPQGP GIGYEGRQGP PGPPGPGPP SFGPHRQTI SVPGPPGPPG PPGPPGTGA SSGQVRLWAT RQAMLGVHE VPEGWLIFVA EQEELYVRVQ NGFRKVQLEA RTPLPRGTDN EVAALQPPV QLHDSNPYPYR REHPHTARP WRADDILASP PGLPEPQYP GPHHSSVYH CGPARPTSP AHSHRDFQPV LHLVALNSPL SGMRGIRGA DFQCFQARA VGLAGTFRF LSSRLQDLYS </p>

Figure 2

Protein Sequences

[Key to Table:]

Proteinsequenz = Protein Sequence

Abbildung 2

Seq.IDNO	Name	Proteinsequenz
6	Subtilisin-like protein (PACE4)	<p>IVRRADRAAV PIVNLKDELL FPSWEALFSG SEGPLKPGAR IFSFDGKQVL RHPTWPKSV WHGSDPNRR</p> <p>LTESYCETWR TEAPSATGQA SSLIGGRLLG QSAASCHHAY IVLCIENSFM TASK</p> <p>MPPRAPAPG PRPPPRAAAA TDTAAGAGGA GGAGGAGGPG FRPLAPRWR WLLLLALPAA CSAPPPRPVY</p> <p>TNHWAQVVLG GPAEADRVAA AHGYLNLGQI GNLEDYVYHFY HSKTFKRSTL SSRGPHFTLR MDPQVKWLQ</p> <p>QEVKRRVKRQ VRSDPPQALYF NDPIWSNMWY LHCGDKNSRC RSEMNVAQAAW KRGYTGKNVV VTILDDGIER</p> <p>NHPDLAPNYD SYASYDVNGN DYDPSPRYDA SNENKHGTRC AGEVAASANN SYCIVGIAYN AKIGGIRMLD</p> <p>GDVTDVVEAK SLGIRPNYID IYSASWGPDD DGKTVDPGPR LAKQAFEYGI KKGRQGLGSI FVWASNGGGR</p> <p>EGDYCSCDGY TNSIYITISVS SATENGYKWP YLEECASILA TTYSSGAFYE RKIVTTDLRQ RCTDGHGTGS</p> <p>VSAPMVAGII ALALEANSQ L TWRDVQHLIV KTSRPAHLKA SDWKVNCAGH KVSIFYGFG L VDAEALVVEA</p> <p>KKWTAVPSQH MCVAASDKRP RSIPLVQVLR TTALTSACAE HSDQRVVYLE HVVVRTSISH PRRGDIQIYL</p> <p>VSPSGTKSQL LAKRLDLSN EGFTNWEFMT VHCWGEKAEQ QWTLFIQDLP SQVRNPEKQG KLKEWSLILY</p> <p>GTAEHPTYHTF SAHQSRSRML ELSAPELEPP KAALSPSQVE VPEDEEDYTA QSTPGSANIL QTSVCHPECG</p> <p>DKGCDGPNAD QCLNCVHPSL GSVKTSRKC V SVCPLGYFGD TAARRCRRCH KGCETCSSRA ATQCLSCRRG</p> <p>FYHHQEMNTC VTLCPCAGFYA DESQKNCLKC HPSCCKKCVDE PEKCTVCKEG FSLARGSCIP DCEPGTYFDS</p> <p>ELIRCGECHH TCGTCVGPGR EECIHCAKNF HFHDWKCVPA CGEGFYPEEM PGLPHKVCRR CDENCLSCAG</p> <p>SSRNC SRCKT GFTQLGTSCI TNHTCSNADE TFCMVKSNR LCERKLFIQF CCRTCLLAG</p>
7	Laminin M chain (Merosin)	<p>MPGAAGVLLL LLLSGGLGGV QAQRQQQRQ SQAHQQRGLF PAVLNLASNA LIITNATCGE KGPEMYCKLV</p> <p>EHVGPQVRN PQCRICNQNS SNPNQRHPIT NAIDGKNTW QSPSIKNGIE YHYVTITL DL QQVFQIAYVI</p> <p>VKAANSRPPG NWILERSLDD VEYKPQWYHA VTDTECLTLY NIYPRTGPPS YAKDDEVICT SFYSKIHPLE</p> <p>NGEIHISLIN GRPSADDPSP ELLEFTSARY IRLRFQIRI LNADLMMFAH KDPREIDPIV TRRYYSVKD</p> <p>ISVGGMCICY GHARACPLDP ATNKSRCCE HNTCGDSCDQ CCPGFHQKPW RAGTFLTKTE CEACNCHGKA</p>

Figure 2

Protein Sequence

[Key to Table:]

Proteinsequenz = Protein Sequence

Abbildung 2

Seq.IDNO	Name	Proteinsequenz
		<p>EECYDENVA RRNLSLNRG KYIGGGVCIN CTQNTAGINC ETCTDGFRRP KGVSPNYPRP CQPCHCDPIG SLNEVCVKDE KHARRGLAPG SCHCKTGFGG VSCDRRCARGY TGYPDCKACN CSGLSKKNED PCFGPCICKE NVEGGDCSRC KSGFFNLQED NWKGDECPC SGVSNRCQSS YWTYGIQDM SGWYLTDLPG RIRVAPQDDD LDSPQQISIS NAEARQALPH SYYWSAPAPY LGNKLPAVGG QLTFTTISYDL EEEEEEDTERV LQLMIILEGN DLSISTAQDE VYLHPSEHT NVLLKEESF TIHGTFFPVR RKEFMTVLAN LKRVLQITY SFGMDALFRL SSVNLESAYS YPTDGSIAAA VEVQCPCPGY TGSSCESCW P RHRRVNGTIF GGICEPCQCF GHAESECDVDT GECLNCKDHT GGPYCDKCLP GFYGEPTKGT SEDCQPCACP LNIPSNFSP TCHLDRSLGL ICDGCPVGYT GPCRCAEG YFGQPSVPGG SCQPCQCN DN LDFSIPGCD SLGSLICK PGTTRYCEL CADGYFGDAV DAKNCQPCRC NAGGSFSEVC HSQTQCECR ANVQQRCDK CKAGTFGLQS ARGCVPCNCN SFGSKSFDCE ESGQCWCQPG VTGKKCDRCA HGYFNFOEGG CTACECSHLG NNCDPKTGRC ICPPNTIGEK CSKCAPNTWG HSITTGCKAC NCSTVGS LDF EGIHCDRCRP GKFGDLAKNP LGSSSCYCFG TTTQCSEAKG LIRTVVTLKA ETKKCSQSDQ TGQCTCKNVV VFQHP EIVAH MDLMREDLHL EPFYWKLEPQ FEGKKLMAYG GKKLYAIYFE EQTILPLVDE ALQHTTTKGI PTHARIIVRH MAAPLIGQLT RHEIEMTEKE WKYIGDDPRV HRTVTREDFL AREETGFSTY NPQVIIRGGT QSRISEISME VAEQGRGTTM TPPADLIEKC DCPLGYSGLS CEACLPGFYR DILYDIHYIL IKATYGNFMR QCNHSSLCD PETSICQNCQ HHTAGDFCER CALGYYGIVK GLPNDCCQCA LRSQPGGRTP GPTLGTCTVPC DYRCTACPRG YEGQYECERCA PGYTGSPGNP GGSCQCECED PYGSLPVPCD CPLISSNNF SPSCVAEGLD KHWHAREGWE CVFCGDECTG LLLGDLARLE QMVMSINLTG PLPAPYKMLY PVTGFCTCRP GATGRKCDGC RLIQLAEGNL NTLVTEMNEL LTRATKVTAD GEQTGQDAER TNTRAKSLGE GLENMTQELK HLLSPQRAPE ETGLTRDEAF ERNLEGLQKE IDQMIRLRR KNLETQKEIA EDELVAEAL FIKELARDAE AVNEKAIKLN DLREKLADYK NKVDDAWDLL REATDKIREA NRLFAVNQKN MTALEKKKEA LKKVKKL FGE SRGENEEMEK DLREKLADYK NKVDDAWDLL REATDKIREA NRLFAVNQKN MTALEKKKEA VESGKRQIEN TLKEGNDILD EANRLADEIN SIIDYVEDIQ TKLPPMSEEL NDKIDDLSE I KORKLAEKV</p>

[Key to Table:]

Proteinsequenz = Protein Sequence

Abbildung 2

Seq.IDNO	Name	Proteinsequenz
		<p>SQAESHAAQL NDSSAVLDGI LDEAKNISFN ATAFAKAYSN IKDYIDEAEK VAKEAKDLAH EATKLATGPR</p> <p>GLLKEDAKGC LQKSFRIINE AKKLANDVKE NEDHLNGLKT RIENADARNG DLLRTLNDTL GKLSAIPNDT</p> <p>AAKLQAVKDK ARQANDTAKD VLAQITELHQ NLDGLKKNYN KLADSVAKTN AVVKDPSKNK IIADADATVK</p> <p>NLEQEADRLI DKLKPIKELE DNLKKNISEI KELINQARKQ ANSIKVSVSS GGDCIRTYKP EIKKGSYNNI</p> <p>VNVKTAHAD NLLFYLGS AK FIDFLAEMR KGKVSFLWDV GSGVGRVEYP DLTIDDSYWY RIVASRTGRN</p> <p>GTISVRALDG PKASIVPSTH HSTSPPGYTI LDVDANAMLF VGGLTGKLLK ADARVITFT GCMGETYFDN</p> <p>KPIGLWNFRE KEGDCKGCTV SPQVEDSEGT ATRDLRDFMS VELTDGHIKV SYDLGSGMAS VVSNQNHNDG</p> <p>KWKSFTLSRI QKQANISIVD IDTNQEENIA TSSSGNFFGL DLKADDKIYF GGLPTLRNLS MKARPEVNLK</p> <p>KYSGCLKDIE ISRTYPNLS SPDYGVGTGK CSLENVYTVS FPKPGFVELS PVPIDVGTEI NLSFSTKNES</p> <p>GIILLGSGGT PAPRRKRQ TGQAYYVILL NRGRLVHLS TGARTMRKIV IRPEPNLPHD GREHSVHVER</p> <p>TRGIFTVQVD ENRRYMQNLT VEQPIEVKKL FVGGAPEFQ PSPLRNIPPF EGCIWNLVIN SVPMDFARPV</p> <p>SFKNADIGRC AHQKLREDED GAAPAEIVIQ PEPVPTPAFP TPTPVLTHGP CAESEPALL IGSKQFGLSR</p> <p>NSHTAIAFDD TKVKNRLTIE LEVRTEAESG LLFYMAAINH ADFATVQLRN GLPYFSYDLG SGDTHMTIPT</p> <p>KINDGQWHKI KIMRSKQEGI LYVDGASNRT ISPKKADILD VVGMLYVGGI PINYTTRRIG PVTYSIDGCV</p> <p>RNLHMAEAPA DLEQPTSSFH VGTCEFANAQR GTYFDGTGFA KAVGGFKVGL DLLVEFEFAT TTTTGVLIGI</p> <p>SSQKMDGMI EMIDEKLMFH VDNAGRFTA VYDAGVPGHL CDGQWHKVT A NKIKHRIELT VDGQVVEAQS</p> <p>PNPASTSADT NDPVFVGGFP DDLKQFGLTT SIPFRGCIRS LKLTGKTASH WRLILPRPWN</p>
8	Elastin	<p>MAGLTAAPR PGVLLLLLSI LHPSRPGGVP GAIPGGVPGG VFYPGAGLGA LGGALGPGG KPLKPVPGGL</p> <p>AGAGLGAGLG AFPVTFPGA LVPGGVADAA AAYKAAKAGA GLGGVPGVGG LGVSAGAVVP QPGAGVKPGK</p> <p>VPVGLPGVY PGVGLPGARF PGVGLPGVP TGAGVKPKAP GVGGAFAGIP GVPGFGPQP GVPLGYPIKA</p> <p>PKLPGGYGLP YTTGKLPYGY GPGGVAGAAG KAGYPTGTGV GPQAAAAA KAAAKFGAGA AGVLPGVGGA</p>

Figure 2

protein sequence

[Key to Table:]

Proteinsequenz = Protein Sequence

Abbildung 2

Seq.IDNO	Name	Proteinsequenz
9	Alpha-2 type IV collagen	<p>GVPGVPGAIP GIGGIAGVGT PAAAAAAAAA AKAAYGAAA GLVPGGPGFG PGVVGVPGAG VPGVGVPGAG</p> <p>IPVVPAGAGIP GAAVPGVVSP EAAAKAAAAA AKYGARPGVG VGGIPTYGVG AGFPFGFGVG VGGIPGVAGV</p> <p>PSVGGVPGVG GVPVGVISPE AAAAAAAAAA KYGVGTAAAA AAKAAKAAQ FALLNLGLV PGVGVAPGVG</p> <p>VAPGVGVAPG VGLAPGVGVA PGVGVAPGVG VAPGIGPGV AAAAAKAAK AAKAQLRAAA GLGAGIPGLG</p> <p>VGVGVPGLV GAGVPGLVG AGVPGFGAVP GALAAKAAK YGAAVPGVLG GLGALGGVGI PGGVVVGAGPA</p> <p>AAAAAAAAA KAAQFGLVGA AGLGGLGVGG LGVPGVGG LGIPAAAAA AKYAAAGLGG VLGAGQFPPL</p> <p>GGVAARPGFG LSPFFGGAC LGKACGRKRK</p> <p>MGRDQRAVAG PALRRWLLLG TVTVGFLAQS VLAGVKKFDV PCGGRDCSGG CQCYPEKGGR GQGPVGPQG</p> <p>YNGPPGLQGF PGLQGRKGD KGERGPGVTG PKGDVGARGV SGFPAGDGIP GHPGQGGPRG RPYDGCNGT</p> <p>QGDSPQGGP GSEGTGPPG PQPKGQKGE PYALPKEERD RYRGEPGEPG LVGFQGGPPR PGHVGMQMPV</p> <p>GAPRPGPPG PPGPKGQQGN RGLGFYGVKG EKGDVGP GP NGIPSDTLHP IIAPTGVTFH PDQYKGEKGS</p> <p>EGEPGIRGIS LKGEEGIMGF PGLRGYPGLS GEKSPGQKG SRGLDGYQGP DGPRGPKGEA GDPGPPGLPA</p> <p>YSPHPSLAKG ARGDPGFGA QGEPGSGEP GDPLPGPPG LSIGDGDQRR GLPGEMGPKG FIGDPGIPAL</p> <p>YGGPPGPDGK RGPPGPPGLP PGRKGDGFLF GLKGAAGRAG FPLPGSPGA RGPKGWKGA GECCRTGDE</p> <p>AIKGLPLPG PKGFAGINGE PGRKGDGKGD QHGLPGFP GQVVPNIGA PGPKGAKGDS RTITTKGERG</p> <p>QPGVPGVPGM KDDGSPGRD GLDGFPGLPG PPDGIGKGP GDPGYPGIPG TKGTPGEMGP PGLGLPLKG</p> <p>QRFPGDAGL PGPPGFLGPP GPAGTPGQID CDTDVKRAVG GDRQEAIQPG CIAGPKGLPG LPPGPGPTGA</p> <p>KGLRGIPGA GADGGPGPRG LPGDAGREGF PGPPGFIGPR GSKGAVGLPG PDGSPGPIGL PGPDGPPGER</p> <p>GLPGEVLGAQ PGPRGDAGVP GQGLKGLPG DRGPPGFRGS QGMPGMPGLK GQGLPGPSG QPGLYGPPL</p> <p>HGFPAGPQE GPLGLPGIPG REGLPGRGD PGDTGAPGPV GMKGLSGDRG DAGFTGEQGH PGSPGFKGID</p> <p>GMPGTPGLK DRGSPGMDGF QGMPGLKGRP GFPGSKGAG FFGIPGLKGL AGEFGKGSR GDPGPPGPPP</p>

Figure 2

Protein Sequences

[Key to Table:]

Proteinsequenz = Protein Sequence

Abbildung 2

Seq.IDNO	Name	Proteinsequenz
		VILPGMKDIK GEKDEGPMG LKGYLGAKGI QGMPGIPGLS GIPGLPRPG HIKGVKGDIG VPGIPGLPGF PGVAGPPGIT GFPFGICSRG DKGAPGRAGL YGEIGATGDF GDIGDTINLP GRPGLKGERG TTGIPGLKGF FGEKGTEGDI GFPGITGVGT VQGPPLKQ TGFPGLTGPP CSQGELCRIG LPGAQKDDGW PGAPGLPGFP GLRGIRGLHG LPGAQKDDGW PGSDIHGDPG FPGPPGERGD PGEANTLPGP VGVPGQKGDQ GAPGERGPPG SPGLQGFPGI TPPSNISGAP GKGAPGIFG LKGYRGPPGP PGSALPGSK GDTGNPCAPG TPGTKGWAGD SGPQGRPGVF GLPGAQKPRG EQGFMGNTGP TGAVGDRGPK GPKGDPGFP APGTVGAPGI AGIPQKIAIQ PGTVGPQGRR GPPGAPGEIG PQGPPGEPGF RGAPGKAGPQ GRGVSAPVG FRGDEGPIGH QGPIQEGAP GRPGSPGLPG MPGRSVSICY LLVKSQTDQ EPMCPVGMNK LWSGYSILYF EGQEKAHNQD LGLAGSCLAR FSTMPFLYCN PGDVCCYASR NDKSYWLSTT APLPMMPVAE DEIKPYISRC SVCEAPAIAI AVHSQDVSIIP HCPAGWRSIW IGYSFLMHTA AGDEGGQSL VSPGSCLED F RATPFIECNG GRGTCHYYAN KYSFWLTITP EQSFQGSPSA DTLKAGLIRT HISRCQVCMK NL
10	p27	MEASALTSSA VTSVAKVVRV ASGSVVVLPL ARIATVVVIG VVAMAAVPMV LSAMGFTAAG IASSIAAKM MSAAAIANGG GVASGSLVGT LQSLGATGLS GLTKFILGSI GSAIAAVIAR FY
11	Reticulocalbin	MARGGRRL GLALGILLAL VLAPRVLRK PTVRKERVVR PDSELGERPP EDNQSFQYDH EAFLGKEDSK TFDQLTPDES KERLGKIVDR IDNDGDGFVT TEELKTWIKR VQKRYIFDNV AKVWKDYDRD KDDKISWEY KQATYGYLQ NPAAEFHDSSD HHTFKKMLPR DERRFKAADL NGDLTATREE FTAFLHPEEF EHMKEIVVLE TLEDIDKNGD GFVDQDEYIA DMFSHEENG EPDWVLSERE QFNEFRDLNK DGKLDKDEIR HWILPQDYDH AQAEARHLVY ESDKNKDEKL TKEEILENN MFVGSQATNY GEDLTKNHIDE L
12	Aldehyde dehydrogenase 6	MATANGAVEN GQPDGKPPAL PRPARNLEVK FTKIFINNEW HESKSGKKFA TCNPSTREQI CEVEEGDKPD VDKAVEAAQV AFQRGSPWRR LDALSRRLL HQLADLVERD RATLAALETM DTGKPFHLHAF FIDLEGCIPT

Figure 2

Table 2: Protein Sequences

[Key to Table:]

Proteinsequenz = Protein Sequence

Abbildung 2

Seq.IDNO	Name	Proteinsequenz
13	Gravin	<p> LRYFAGWADK IQGKTIPTDD NVVCFTRHEP IGVCGAITPW NFPLLLMLVWK LAPALCCGNT MVLKPAEQTP LTALYLGLSI KEAGFPFPGVV NIVPGFGPTV GAAISSHPQI NKIAFTGSTE VGKLVKEAAS RSNLKRVTLE LGGKNPCIVC ADADLDLAVE CAHQGVFFNQ GQCCTAASRV FVEEQVYSEF VRRSVEYAKK RPYGDPFDVK TEQGPQIDQK QPDKILELIE SGKKEGAKLE CGGSAMEDKG LFIKPTVFSE VTDNMRIAKE EIFGPVQPIL KPKSIEEVIK RANSTDYGLT AAVFTKNLDK ALKIASALES GTVWINCYNALYAQAFFGGF KMSGNGRELG EYALAEYTEV KTVTIKLGDK NP </p> <p> MGAGSSTEQR SPEQPPEGSS TPAEPEPSGG GPSAAAPDT TADPAIAASD PATKLLQKNG QLSTINGVAE QDELSLQEGD LNGQKGALNG QGALNSQEEF EVIVTEVGQR DSEDVSRDS DKEMATKSASV VHDITDDGQE ENRNIEQIPS SESNLEELTQ PTESQANDIG FKKVFKFVGF KFTVKKDKTE KPDTVQLLTV KKDEGEAAG AGDHQDPSLG AGEAAKSESE PKQSTEKPEE TLKREQSHAE ISPPAESGQA VEECKEEGEE KQEKEPSKSA ESPTSPVTSE TGSTFKKFFT QGWAGWRKKT SFRKPKEDEV EASEKKKEQE PEKVDTEEDG KAEVASEKLT ASEQAHPQEP AESAHEPRLS AEYEKVELPS EEQVSGSQGP SEEKPAPLAT EVFDEKIEVH QEEVVAEVHV STVEERTEEQ KTEVEETAGS VPAEELVGMV AEPQEAEPK ELVKKLTCV SGEDPTQGD LSPDEKVLKSK PPEGVVSEVE MLSSQERMV QGSPLKKLFT STGLKKLSGK KQKGRGGGD EESGEHTQVP ADSPDSQEEQ KGESSASSPE EPPEITCLEK GLAEVQQDGE AEEGATSDGE KKREGVTPWA SFKKMVTPEK RVRPSESDDK EDELDKVKSA TLLSSTESTAS EMQEEEMKGSV EEPKPEEPKR KVDTSVSWEA LICVGSSKKR ARRRSSSDEE GGPKAMGGDH QKADEAGKDK ETGTDGILAG SQEHDPCQGS SSPEQAGSPT EGEVSTWES FKRLVTPRKK SKSKLEEKSE DSIAGSGVEH STPDTEPGKE ESWVSIIKFI PGRKKRPPDG KQEQAPVEDA GPTGANEDDS DVPVVPLSE YDAVEREKME AQQAQKGAEQ PEQKAATEVS KELSSEQVHM MAAAVADGTR AATIIERSP SWISASVTEP LEQVEAEAAAL LTEEVLEREV IAEPEPPTVT EPLPENREAR GDTWVSEAL TPEAVTAAET AGPLGSEEGT EASAAETTE MVSAVSQSLTD SPDTTEEATP VQEVGSGVPD IEEQERRTQE VLQAVAEKVK </p>

Figure 2

protein sequence

[Key to Table:]

Proteinsequenz = Protein Sequence

Abbildung 2

Seq.IDNO	Name	Proteinsequenz
		<p>EESQLPCTGG PEDVLQPVQR AEAERPEEQE EASGLKKETD VVLKVDQAEA KTEPFTQGV VGQTTPESEF</p> <p>KAPQVTEIE SSELVTTQQA ETLAGVKSQE MVMEQAIPPD SVETPTDSET DGSTPVADFD APTTQKDEI</p> <p>VEIHEENEVA SGTQSGGTEA EAVPAQKERP PAPSSFVQFE ETKEQSKMED TLEHTDKEVS VETVSILSKT</p> <p>EGTQEADQYA DEKTKDVFFF EGLEGSIDTG ITVSREKYTE VALKGEGETEE AECKKDDALE LQSHAKSPPS</p> <p>PVEREMVQV EREKTEAEPT HVNEEKLHE TAVTVSEEV KQLLTQTVNVP IIDGAKEVSS LEGSPPPCLG</p> <p>QEEAVCTKIQ VQSSEASFTL TAAAEKVKL GETANILETG ETLPEAGAH VLEEKSSSEKN EDFAAHAGED</p> <p>AVPTGPDCA KSTPVIVSAT TKKGLSSDLE GEKTTSLKW SDEVDEQVAC QEVKVSVAIE DIEPENGILE</p> <p>LETKSSKLQ NIIQTAVDQF VRTEETATEM LTSELQTOAH VIKADSQDAG QETEKEGEEP QASAQDETPI</p> <p>TSAKEEEST AVQAHSIDIS KDMSEASEKT MTVEVEGSTV NDQOLEEVVL PSEEEGGGAG TKSVPEDDDGH</p> <p>ALLAERIEKS LVEPKEDKGD DDVDDPENQN SALADTDASG GLTKESPDTN GPKQKEKEDA QEVELQEGKV</p> <p>HSESDKAITP QAQEELQKQE RESAKSELTE S</p>
14	Nidogen	<p>MLASSSRIRA AWTRALLPL LLAGPVGCLS RQELFPFGPG QGDLELEDGD DFVSPALELS GAIIFYDRSD</p> <p>IDAVVVTNG IATSEPPAK ESHPLFPPT FGAVAPFLAD LDTTDGLGV YYREDLSPSI TQRAAECVHR</p> <p>GFPEISFQPS SAVVVTWESV APYQGPSRDP DQKGRNTFQ AVLASSDSS YAIFLYPEDG LQFHTTFSKK</p> <p>ENNVVPAVVA FSQGSVGFLW KSNAYNIFA NDRESIENLA KSSNSGQGV WVFIEGSPAT TNGVVVPADVI</p> <p>LGTEDGAEYD DEDEDYDLAT TRIGLEDVGT TPFSYKALRR GGADTYSVPS VLSPRRAATE RPLGPPPTERT</p> <p>RSFQLAVETF HQHPQVIDV DEVEETGVVF SYNTDSRQTC ANNRHQCSVH AECRDYATGF CCSCVAGYTG</p> <p>NGRQCVAEGS PQRVNGKVKG RIFVGSQQVP IVFENTDLHS YVVMNHGRSY TAISTIPETV GYSLPLAPV</p> <p>GGIIGWMFAV EQDGFKNQFS ITGGEFTROA EVTFVGHGPN LVIKQRFSGI DEGHHLTIDT ELEGRVPQIP</p>

Figure 2

protein sequence

[Key to Table:]

Proteinsequenz = Protein Sequence

Abbildung 2

Seq.IDNO	Name	Proteinsequenz
15	phospholipase Epsilon	<p>FGSSVHIPEY TELYHYSTSV ITSSSTREYT VTEPERDGAS PSRIITYQWR QTITFQECVH DDSRPALPST</p> <p>QQLSVDSVTV LYNQEEKILR YAFSNSIGPV REGSPDALQN PCYIGTHGCD TNAACRPGPR TQFTCECSIG</p> <p>FRGDGRTCYD IDECSEQPSV CGSHTICNNH PGTFRCCEVE GYQFSDEGTC VAVVDQRPIN YCETGLHNCD</p> <p>IPQRAQCIYT GGSSYTCSCS PGFSGDQAC QDVDECQPSR CHPD AFCYNT PGSFTCQCKP GYQGDGFRVCV</p> <p>PGEVEKTRCQ HEREHILGAA GATDPQRPPI PGFVPECDA HGHVAPTQCH GSTGYCWCVD RDGREVEGTR</p> <p>TRPGMTPPCL STVAPPPIHQ PAVPTAVIPL PPGTHLLFAQ TGKIERLPLE GNTMRKTEAK AFLHVPAKVI</p> <p>IGLAFDCVDK MVYWTDITEP SIGRASLHGG EPTTIIRQDL GSPEGIAVDH LGRNIFWTDN NLDRIEVAKL</p> <p>DGTQRRVLFE TDLVNPRGIV TDSVRGNLYW TDWNRDNPKI ETSYMDGTNR RILVQDDDLGL PNGLHFDAPS</p> <p>SQLCWVDAGT NRAECLNPSQ PSRRKALEGL QYPFAVTSYG KNLYFTDWMK NSVVVALDLAI SKETDAFQPH</p> <p>KQTRLYGITT ALSQCPOGHN YCSVNNGGCT HLCLATPGSR TCRCPDNTLG VDCIERK</p>
		<p>C</p> <p>MPSEKKISSA NDCISFMQAG CELKKVRPNS RIYNRFFTTLD TDLQALRWEK SKKDLEKAKL DISAIKEIRL</p> <p>GKNTETFTNN GLADQICEDC AFSILHGENY ESLDLVANS A DVANIWVSGL RYLVSRSKQP LDFMEGNQNT</p> <p>PRFMWLKTVF EAADVDGNGI MLEDTSVELI KQLNPTLKEA KIRLKFKEIQ KSKEKLTRV TEEFCEAF</p> <p>ELCTRPEVYF LLVQISKNE YLDANDLMLF LEAEQGVTHI TEDICLDIIR RYELSEEGRQ KGFLAIDGFT</p> <p>QYLLSSECDI FDPEQKKVAQ DMTQPLSHYY INASHNTYLI EDQFRGPADI NGYIRALKMG CRSVELDVSD</p> <p>GSDNEPILCN RNNMTTHVSF RSVIEVINKF AFVASEYPLI LCLGNHCSLP QQKVMAQQMK KVFNGNKLYTE</p> <p>APLPSESYLP SPEKLKRMII VKGKLPSPD DVLEGEVTDE DEEAQMSRRM SVDYNGEQKQ IRLCRELSDL</p> <p>VSICKSVQYR DFELSMKSN YWEMCSFSET EASRIANEYP EDFVYNKKF LSRIYPSAMR IDSSNLNPQD</p> <p>FWNCGCQIVA MNFQTPGPM DLHTGWFLQN GGCGYVLRPS IMRDEVSYFS ANTKGILPGV SPLALHIKII</p> <p>SGQNFPKPKG ACAKGDVIDP YVCIEIHGIP ADCSEQRTKT VQONSNDNPIF DETFEFQVNL PELAMIRFVV</p> <p>LDDDYIGDEF IGQYTIPTPEC LQGYRHVPL RSFVGDIMEH VTLFVHIAIT NRSGGGKAQK RSLSVRMGKK</p>

Figure 2

Proteinsequenz = Protein Sequence

[Key to Table:]

Proteinsequenz = Protein Sequence

Abbildung 2

Seq.IDNO	Name	Proteinsequenz
		VREYTMRLNI GLKTIDDDIFK IAVHPLREAI DMRENMQNAI VSIKELCGLP PIASLKQCLL TLSSRLITSD NTPSVSLVMK DSFPYLEPLG AIPDVQKKML TAYDLMIQES RFLIEMADTV QEKIVQCQKA GMEFHEELHN LGAKEGLKGR KLNKATESFA WNITVLKGQG DLLKNKNEA IENMKIQILA CLSCGLSKAP SSSAEAKSKR SLEAIEEKES SEENGKL

Figure 2

Proteinsequenz = Protein Sequence

[Key to Table:]

Proteinsequenz = Protein Sequence